

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number
WO 2005/097823 A1

(51) International Patent Classification⁷: **C07K 14/245, A61K 39/108, C07K 16/12**

(21) International Application Number:
PCT/EP2005/003972

(22) International Filing Date: 29 March 2005 (29.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04290818.6 26 March 2004 (26.03.2004) EP

(71) Applicant (for all designated States except US): **MUTA-BILIS** [FR/FR]; 102, route de Noisy, F-93230 Romainville (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ESCAICH, Sonia** [FR/FR]; 13, rue de Toul, F-75012 Paris (FR).

(74) Agents: **PEAUCELLE, Chantal et al.**; Cabinet Armen-gaud Aine, 3 avenue Bugeaud, F-75116 Paris (FR).

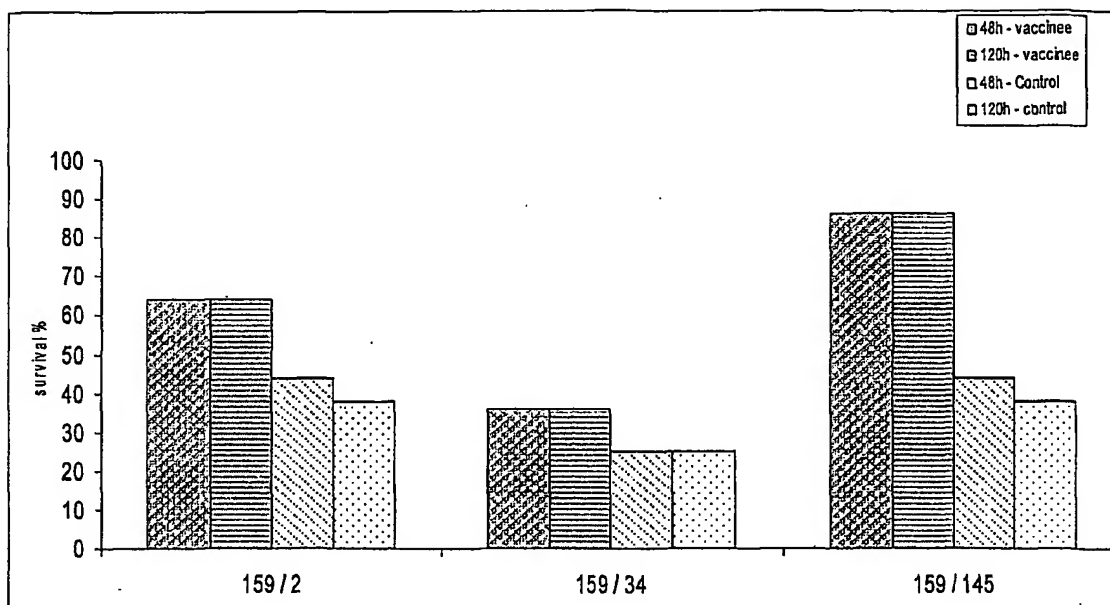
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: COMPOSITIONS OF POLYPEPTIDES SPECIFIC TO PATHOGENIC STRAINS AND THEIR USE AS VACCINES AND IN IMMUNOTHERAPY



(57) Abstract: The invention relates to compositions of polypeptides specific to pathogenic strains comprising at least one polypeptide of a first group, having a sequence selected in the group comprising the sequences of SEQ ID N° 159, or homologous sequences of polypeptides of the first group and/or the second group with a minimum of 25% of identity with the whole sequences of said polypeptides. Application for the preparation of vaccine compositions specific to E. coli extra-intestinal infections.

WO 2005/097823 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.